

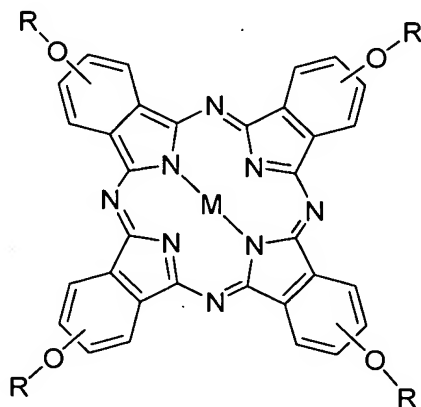
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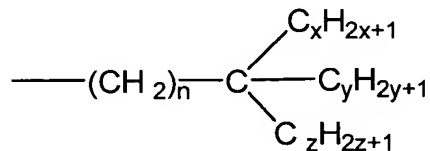
**PHTHALOCYANINE DERIVATIVES, THEIR USE AS HOMEOTROPICALLY  
ALIGNED LAYER IN ELECTRONIC DEVICES AND METHOD FOR THE  
MANUFACTURING THEREOF**

Abstract of the Disclosure

The present invention discloses a liquid crystalline tetra alkyloxy-substituted phthalocyanine derivative with the following structure: (I)



where M is a metal such as zinc (Zn), copper (Cu), platinum (Pt), palladium (Pd), or two atoms such as 2 H or 2 Li, and R is the followed branched aliphatic chain: (II)



with  $n = 0$  and  $x = 6-30$   $y = 6-30$   $z = 0-30$  or  $n = 1$  and  $x = 10-30$   $y = 6-30$   $z = 0-30$  or  $n > 1$  and  $x = 6-30$   $y = 6-30$   $z = 6-30$ .